

Title (en)
SECONDARY BATTERY MODULE HAVING A COOLING PLATE

Title (de)
SEKUNDÄRBATTERIEMODUL MIT EINER KÜHLPLATTE

Title (fr)
MODULE DE BATTERIE SECONDAIRE AVEC UNE PLAQUE DE REFROIDISSEMENT

Publication
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Application
EP 15861814 A 20151110

Priority

- KR 20140160228 A 20141117
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Abstract (en)
[origin: US201722283A1] The present invention relates to a flat plate type cooling plate for a secondary battery, which includes a plurality of cooling parts spaced apart from each other in a longitudinal direction within the cooling plate and a plurality of reinforcement ribs disposed on inner surfaces of the cooling parts. The cooling plate for the secondary battery according to the present invention may be minimized in deformation due to an external impact and stimulation when the cell module is penetrated and thus reduce an influence on unit cells due to the deformation of the cooling plate to suppress an occurrence of short-circuit in the unit cells of the cell module, thereby improving safety of the battery. Also, heat generated during charging and discharging may be effectively released to prevent the battery from being deteriorated in capacity characteristic and improve lifespan characteristics of the battery and reliability of battery performance.

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CPC (source: EP US)
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Citation (examination)

- JP 2011238457 A 20111124 - DENSO CORP
- JP 2012015071 A 20120119 - DENSO CORP

Cited by
EP3896780A1; WO2020221856A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 10847850 B2 20201124; **US 2017222283 A1 20170803**; CN 205595422 U 20160921; EP 3223357 A1 20170927; EP 3223357 A4 20171108; EP 3223357 B1 20200422; JP 2017534143 A 20171116; JP 6448069 B2 20190109; KR 101816974 B1 20180221; KR 20160058684 A 20160525

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